



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:

Avraham LEVY et al

Serial No.: 10/750,909

Filed: January 5, 2004

For: METHOD FOR LARGE SCALE MUTAGENESIS
IN TOMATO PLANTS

Examiner: IBRAHIM, MEDINA AHMED

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Group Art Unit: 1638

Attorney
Docket: 27282

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a PTO Form 1449 which lists citations which may be material to the patentability and examination of the above identified application. Also enclosed are copies of the references cited. These are submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. The Examiner is requested to make these citations of official record in this application.

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Respectfully submitted,

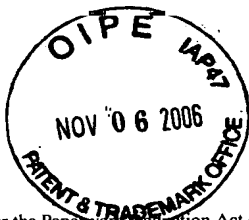
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Dated: November 2, 2006

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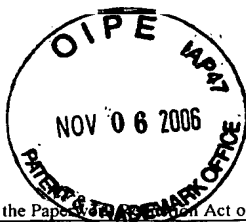
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				Filing Date	January 5, 2004
				First Named Inventor	Avraham LEVY et al
				Group Art Unit	1638
				Examiner Name	IBRAHIM, MEDINA AHMED
Sheet	2	of	4	Attorney Docket Number	27282
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	15	Bishop et al. "The Tomato Dwarf Gene Isolated by Heterologous Transposon Tagging Encodes the first Member of a New Cytochrome P450 Family", The Plant Cell, 8(6):959-969, 1996. Claims: X: 22,26-32, Y: 18-21.			
	16	Yoder et al. "Ac Transposition in Transgenic Tomato Plants", Molecular Genetics and Genomics, 213(2-3): 291-296, 1988. Abstract.			
	17	Zwaal et al. "Target-Selected Gene Inactivation in Ceanorhabditis Elegans by Using A Frozen Transposon Insertion Mutant Bank", Proc. Natl. Acad. Sci. USA, 90: 7431-7435, 1993.			
	18	Cooley et al. "Site-Selected Insertional Mutagenesis of Tomato With Maize Ac and Ds Elements", Molecular Genetics and Genomics, 252(1-2): 184-194, 1996. Abstract.			
	19	Damasco et al. "Gibberellic Acid Detection of Draft Offtypes in Micropropagated Cavendish Bananas", Australian Journal of Experimental Agriculture, 36(2): 237-241, 1996. Abstract.			
	20	Scott et al. " Influence of Pollination Treatments on Fruit Set and Development in Parthenocarpic Tomato", HortScience, 19(6): 874-876, 1984.			
	21	Scott et al. " Micro-Tom. A Miniature Dwarf Tomato", IFAS Circular, 370: 1-6, 1989.			
	22	Scott et al. " Micro-Gold Miniature Dwarf Tomato", HortScience, 30(3): 643-644, 1995. P.643 I-h Col., § 2.			
	23	Ballinger et al. "Targeted Gene Mutations in Drosophila", Proc. Natl. Acad.Sci. USA, 86: 9402-9406, 1989.			
	24	Bensen et al. "Cloning and Characterization of the Maize An1 Gene", The Plant Cell, 7: 75-84, 1995.			
	25	Carroll et al. "Germinal Transpositions of the Maize Element Dissociation From T-DNA Loci in Tomato", Genetics, 139: 407-420, 1995.			
	26	Cresse et al. "Mu1-Related Transposable Elements of Maize Preferentially Insert Into Low Copy Number DNA", Genetics, 140: 315-324, 1995.			
	27	Federoff et al. "Cloning of the Bronze Locus in Maize by A Simple and Generalizable Procedure Using the Transposable Controlling Element Activator (Ac)", Proc. Natl. Acad. Sci. USA, 81(12): 3825-3829, 1984. Abstract.			
	28	Federoff et al. "A Versatile System for Detecting Transposition in Arabidopsis", Plant Journal, 3(2): 273-289, 1993. Abstract.			
	29	Feinberg et al. "A Technique for Radiolabeling DNA Restriction Endonuclease Fragments to High Specific Activity", Analyses in Biochemistry, 132(1): 6-13, 1983. Abstract.			
	30	Fillatti et al. "Efficient Transfer of A Glyphosate Tolerance Gene Into Tomato Using A Binary Agrobacterium Tumefaciens Vector", Bio/Technology, 5: 726-730, 1987. Abstract.			
	31	Gorbunova et al. "Circularized Ac/Ds Transposons: Formation, Structure and Fate", Genetics, 145: 1161-1169, 1997.			

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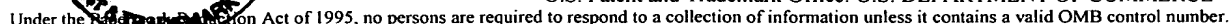
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	32	Greenblatt "A Chromosome Replication Pattern Deduced From Pericarp Phenotypes Resulting From Movements of the Transposable Element, Modulator, in Maize", Genetics, 108: 471-485, 1984.			
	33	Hedden et al. "Gibberellin Biosyntheses: Enzymes, Genes and Their Regulation", Annual Review of Plant Physiology and Plant Molecular Biology, 48: 431-460, 1997. Abstract.			
	34	Hoekema et al. "A Binary Plant Vector Strategy Based on Separation of Vir- and T-Region of the Agrobacterium Tumefaciens Ti-Plasmid", Nature, 303: 179-180. 1983. Abstract.			
	35	Horsch et al. "A Simple and General Method for Transferring Genes Into Plants", Science, 227(4691): 1229-1231, 1985. Abstract.			
	36	Jones et al. "Preferential Transposition of the Maize Element Activator to Linked Chromosomal Locations in Tobacco", The Plant Cell, 2: 701-707, 1990.			
	37	Kaiser et al. "'Site-Selected' Transposon Mutagenesis of Drosophila", Proc. Natl. Acad. Sci. USA, 87: 1686-1690, 1990.			
	38	Keddie et al. "The DCL Gene of Tomato Is Required for Chloroplast Development and Palisade Cell Morphogenesis in Leaves", The EMBO Journal, 15(16): 4208-4217, 1996.			
	39	Knapp et al. "Transgenic Tomato Lines Containing Ds Elements at Defined Genomic Positions as Tools for Targeted Transposon Tagging", Mol. Gen. Genet., 243: 666-673, 1994. P. 666 Right Hand Column: par.1. Abstract. Claims: 33-36.			
	40	Leutwiler et al. "The DNA of Arabidopsis Thaliana", Molecular Genetics and Genomics, 194(1-2): 15-23, 1984. Abstract.			
	41	Mena et al. "Diversification of C-Function Activity in Maize Flower Development", Science, 274(5292): 1537-1540, 1996. Abstract.			
	42	Osborne et al. "Ac Transposition From A T-DNA Can Generate Linked and Unlinked Clusters of Insertions in Tomato Genome", Genetics, 129: 833-844, 1991.			
	43	Rommens et al. "Characterization of the Ac/Ds Behaviour in Transgenic Tomato Plants Using Plasmid Rescue", Plant Molecular Biology, 20(1): 61-70, 1992. Abstract.			
	44	Schoenmakers et al. Isolation and Characterization of Nitrate Reductase-Deficient Mutants in Tomato (Lycopersicon Esculentum Mill.), Molecular and Gene Genetics, 227: 458-464, 1991. Abstract.			
	45	Scott et al. "Adjacent Sequences Influence DNA Repair Accompanying Transposon Excision in Maize", Genetics, 142: 237-246, 1996.			
	46	Shalev et al. "The Maize Transposable Element Ac Induces Recombination Between the Donor Site and An Homologous Ectopic Sequence", Genetics, 146: 1143-1151, 1997.			

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